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Other mass storage media, description: _____

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Model(s)

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Other, description: United States Patent # 5879514

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P15469
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MAR 11 1999

GREENBLUM & BERNSTEIN, P.L.C.

The Commissioner of
Patents and Trademarks

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.

If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extension.

J. Todd Johnson

Acting Commissioner of Patents and Trademarks

Margaret V. Turner

Attest

NOTICE

If the application for this patent was filed on or after December 12, 1980, maintenance fees are due three years and six months, seven years and six months, and eleven years and six months after the date of this grant, or within a grace period of six months thereafter upon payment of a surcharge as provided by law. The amount, number and timing of the maintenance fees required may be changed by law or regulation. Unless payment of the applicable maintenance fee is received in the Patent and Trademark Office on or before the date the fee is due or within a grace period of six months thereafter, the patent will expire as of the end of such grace period.



United States Patent [19]

Meschenmoser

[11] Patent Number: 5,879,514

[45] Date of Patent: Mar. 9, 1999

[54] SCRAPER DEVICE FOR A PAPER MACHINE

[75] Inventor: Andreas Meschenmoser, Horgenzell, Germany

[73] Assignee: Voith Sulzer Papiermaschinen GmbH, Heidenheim, Germany

[21] Appl. No.: 821,342

[22] Filed: Mar. 20, 1997

Foreign Application Priority Data

Mar. 21, 1996 [DE] Germany 196 11 166.8

[51] Int. Cl.⁶ D21F 7/04

[52] U.S. Cl. 162/272; 162/274; 162/199; 15/256.5; 15/256.51

[58] Field of Search 162/272, 274, 162/275, 281, 282, 199; 15/156.5, 156.51

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ABSTRACT

A scraper device for a paper machine comprises first and second scraper means that can be pivoted into engagement with a fabric web and with a guide roll, respectively. By combining at least two scraper means in a common assembly, a particularly compact and cost-saving structure is achieved. Due to the fact that the first scraper means is arranged upstream of the guide roll, viewed in the direction of travel of the fabric web, and that it can be pivoted into engagement with the fabric web from below in a manner such that a downwardly open space is left, it is guaranteed that the paper residues will be carried off completely even in case of trouble, for example in case of web failure.

35 Claims, 4 Drawing Sheets

